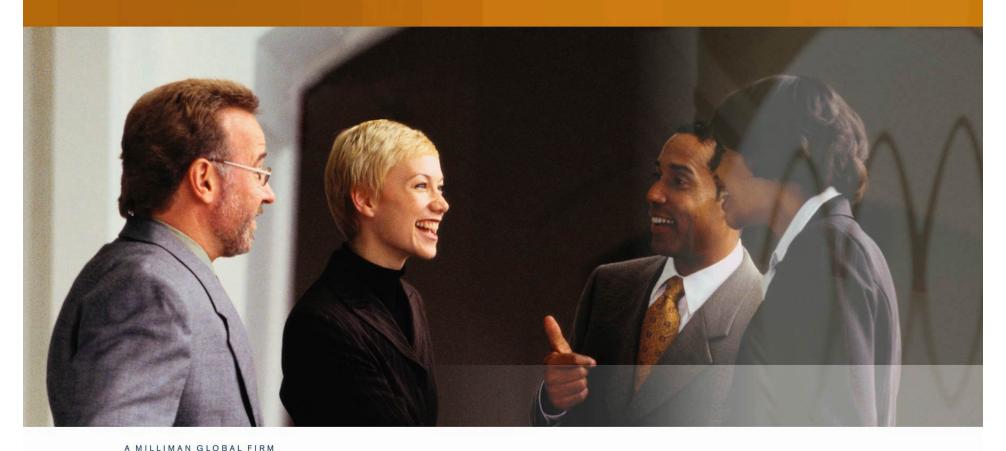
Understanding Municipal Securities Regulations GASB 43/45 - Actuarial OPEB Valuations

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Agenda

- OPEB Valuation Process
- Recent Studies



OPEB Valuation Process

How Valuation Works

- Gather data, plan provisions
- Select Actuarial Assumptions
- Project active and retiree population
 - Turnover, expected retirement age
 - Life expectancy
 - Current employees and retirees only
- Project annual claims costs
 - Current year
 - Trend for medical inflation in future years
- Project expected retiree payments



How Valuation Works

- Discount payments to today's dollars
- Allocate costs to periods of service



Definitions

- Present Value of Benefits
 - Discount expected payments using interest rate to today's dollars
- Actuarial Accrued Liability
 - PVB attributed to past service only
- Normal Cost
 - Portion of PVB attributed to current year of service only
- Actuarial Cost Method
 - Allocates PVB costs to past, present, and future
- Annual Required Contribution
 - Normal Cost, plus
 - Amortization of UAAL up to 30 years



Assumptions

- Make predictions about the future
- Best estimates based on recent data, plan design, actuarial judgment
- Plan sponsor and auditor must accept assumptions used for GASB reporting



Assumptions

- Demographic assumptions
 - Turnover, retirement, mortality, spouse coverage
- Economic Assumptions
 - Discount Rate
 - Based on expected return of assets set aside to pay OPEB benefits
 - Results very sensitive to selection of rate
 - Salary scale



Assumptions – Claims costs

- Claims Costs
 - Account for higher costs for retirees who are older than actives <u>unless</u> premiums are community rated
- Medical Trend or Inflation
 - Short term
 - Long term
 - Consider other OPEB



Actuarial Cost Methods

- Six allowable cost methods
- Can allocate costs as level dollar or level percentage of payroll
- Regardless of method selected, the overall costs will be the same, only the pattern of cost accruals will be different

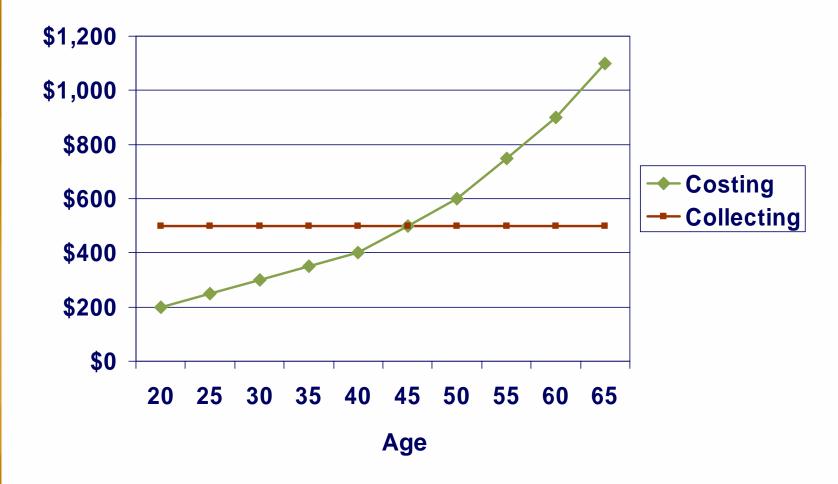


Implicit Rate Subsidy

- Charging pre-Medicare retirees the rate that the employer is charged for the active members
- Collecting an average rate, but true incidence of cost is different
- Retirees cost more than actives because they are older
- Employers are "implicitly" subsidizing the retiree rate
- Part of what employers are paying actives is really for retirees
- GASB wants a proper accounting of this hidden subsidy (implicit rate subsidy)



Implicit Rate Subsidy





Financial Statement Items - Recap

- Annual OPEB Cost
 - (Income Statement)
 - = Annual Required Contribution (ARC)
 - Adjustments if employer has net under or over contributions
- Net OPEB Obligation
 - (Balance Sheet)
 - Cumulative Total of Annual OPEB Costs less contributions to fund OPEB liabilities
- Disclosures
 - Actuarial Liability, Funded Status
 - Plan provisions, assumptions, and methods



